ESP32 SW2 GND GND 37 36 35 34 3V3 1023 ΕN 1022 GND TX SVP U0TXD 5 6 7 8 9 10 11 12 13 14 RX SDA SVN U0RXD 33 GND 31 30 29 28 27 26 1034 1021 1035 GND IO19 IO18 IO5 1032 1033 GND 1025 IO26 IO27 IO17 IO16 IO4 IO0 1014 24 23 22 21 20 15 16 17 18 19 GND IO13 IO2 IO15 GND SD1 SD2 GND SD0 CLK SD3 CMD +3√3 U1 ESP-32S SV1 Supply VCC IC1 7805T GND IC2 AMS1117-3.3 +3V3 5.0V VOUT GND ADJ/GND C3 GND 0.1 μF 0.1 μF 0.22 μF

Adafruit 16-Channel 12-bit PWM/Servo Driver - I2C interface - PCA9685

